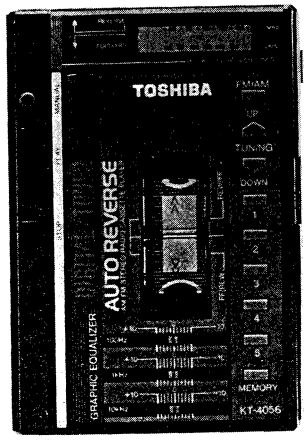
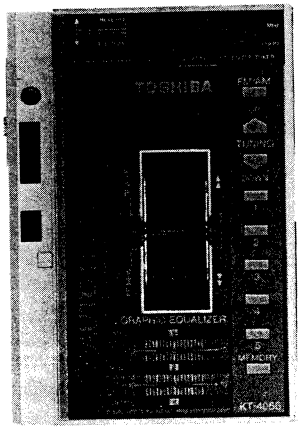
TOSHIBA

STEREO RADIO CASSETTE PLAYER

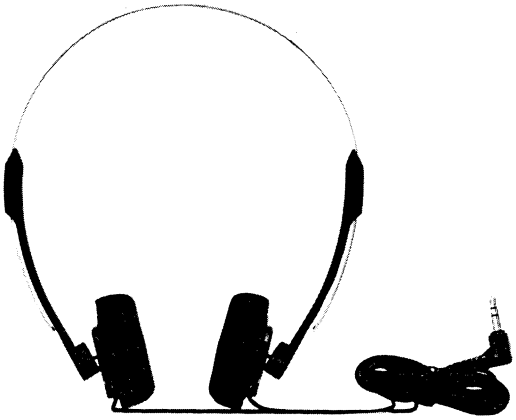
KT-4056/4066



KT-4056



KT-4066



Headphone

SPECIFICATIONS

Track system:	Stereophonic
Recommended tape:	Normal ferric, chrome dioxide, and metal alloy: C-30 to C-90 (Recorded tape)
Tape speed:	4.8 cm/sec.
Frequency response:	Reproduction: 40 Hz to 14 kHz (normal), 40 Hz to 16 kHz (metal/CrO_2)
Graphic equalizer:	100 Hz, 1 kHz, 10 kHz
Receiving frequency:	FM: 87.5 MHz to 107.9 MHz (4066) (0.2 MHz Steps) FM: 87.5 MHz to 107.9 MHz (4056) (50 kHz Steps) AM: 530 kHz to 1610 kHz (4066) (10 kHz Steps) AM: 531 kHz to 1602 kHz (4056) (9 kHz Steps)

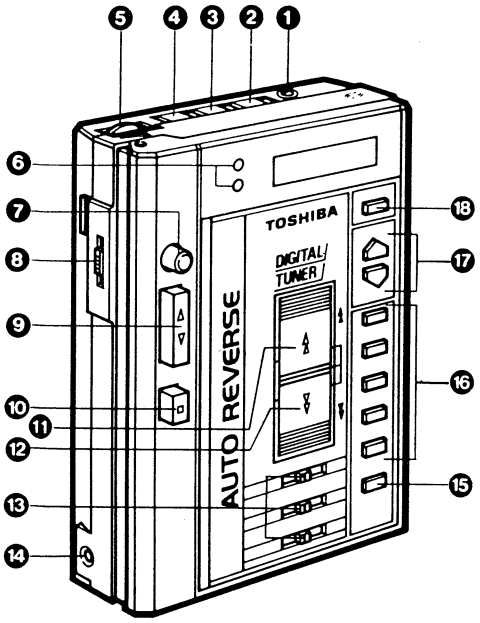
Intermediate frequency:	FM: 10.7 MHz AM: 450 kHz
Antenna:	FM: Headphones cord AM: Ferrite-core antenna
Output terminal:	3.5mm dia. stereo headphones jack x 1
Maximum output power:	Integration 60 mW (30 mW + 30 mW) Integration 30 mW (15 mW + 15 mW) Others only
Power supply:	3V DC (IEC R6 "AA" cell x 2) External power source supplied to the [DC IN 3V] jack (3.4mm dia. center contact negative)
Dimensions:	84(W) x 122.5(H) x 35.5(D) mm
Weight:	280g (without batteries)

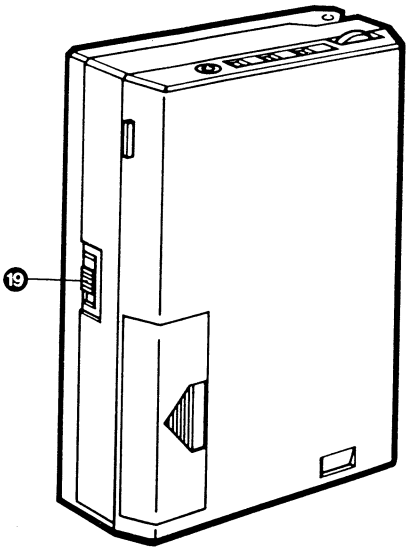
Specifications are subject to change without notice.

KT-4056-TE, AY, VF/KT-4066-S-TA, TC, TE

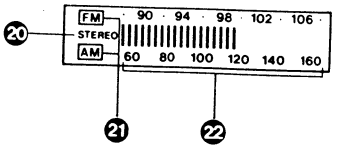
PRINTED IN JAPAN 22905676 Mar., 1987 (S)

1. OPERATING CONTROLS





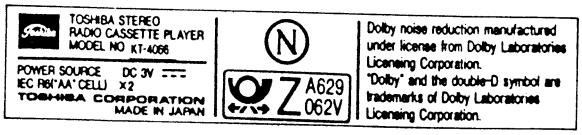
Indicator Section



❶ [PHONES] jack
❷ [FM-ST FM-MONO] FM mode switch/ [DD] Dolby* NR switch (dual operation) (DOLBY NR SW 4066 only)
❸ [NORMAL, METAL/CrO_2] tape switch
❹ [TAPE/RADIO OFF , RADIO] function switch
❺ [VOLUME] control
❻ [BATT] battery indicator/tape direction indicator (dual operation)
❼ [MANUAL] button
❽ [REVERSE MODE] selector
❾ [◂▸ PLAY] button
❿ [■ STOP] button
⓫ [▸▸] button
⓬ [◂◂] button
⓭ [GRAPHIC EQUALIZER] Controls
⓮ [DC IN 3V] jack
⓯ [MEMORY] button
⓰ Preset buttons
⓱ [TUNING UP/DOWN] tuning buttons
⓲ [FM/AM] band selector
⓳ [OPEN] knob
⓴ [STEREO] indicator
㉑ [FM AM] indicator
㉒ Tuning dial
㉓ Headphones

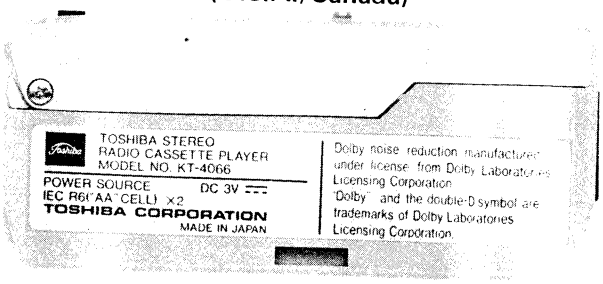
* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

Name Label KT-4066 (Europe)


TOSHIBA STEREO
RADIO CASSETTE PLAYER
MODEL NO KT-4066
POWER SOURCE DC 3V
IEC R6("AA" CELL) ×2
TOSHIBA CORPORATION
MADE IN JAPAN
A629
062V
Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Name Label KT-4056

Name Label KT-4066 (U.S.A./Canada)


TOSHIBA STEREO
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Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation
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2. DISASSEMBLY INSTRUCTIONS

BACK CABINET REMOVAL

1. Remove two screws Ⓐ (ϕ1.7 x 4.5mm). When removing the screws, be sure not to miss the nuts securing the screws Ⓐ on mechanism assembly side.
2. Remove two screws Ⓑ (ϕ1.7 x 6mm). Phone jacks, etc. are inserted on the back cabinet. First remove them from motor side.

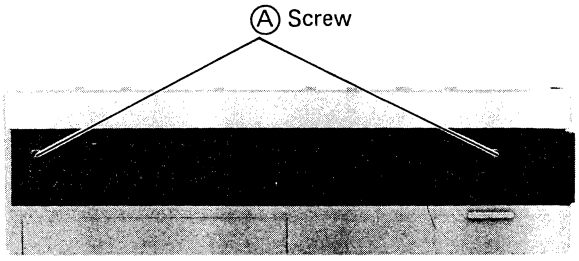


Figure 1

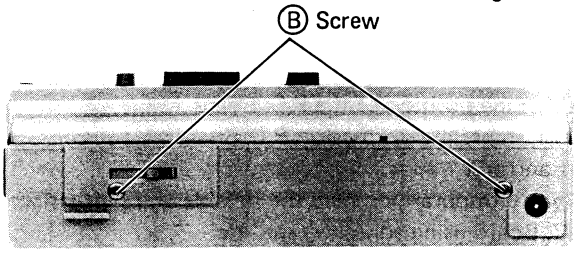


Figure 2

FRONT CABINET REMOVAL

1. Remove two screws Ⓒ and Ⓓ, and the front cabinet will be removed.

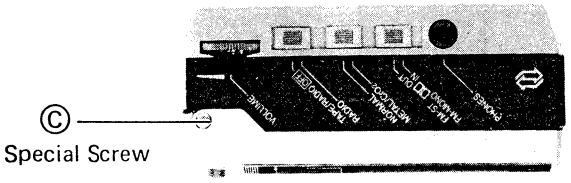


Figure 3

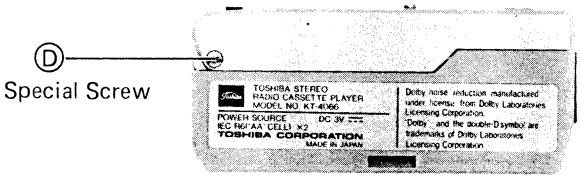


Figure 4

GRAPHIC EQUILIZER P.C.BOARD AND SYNTHESIZER TUNER P.C.BOARD REMOVAL

1. Remove seven screws Ⓔ (ϕ1.7 x 3.5mm) fixing the blind plate, and the Graphic Equilizer P.C.Board and Synthesizer Tuner P.C.Board will be removed.

MAIN P.C. BOARD REMOVAL

1. Remove three screws Ⓕ (ϕ1.7 x 6mm) fixing the P.C. Board and one screw Ⓖ (ϕ1.7 x 7mm) fixing dial frame, and remove one nut Ⓗ fixing P.C. Board, and the main P.C. Board will be removed.

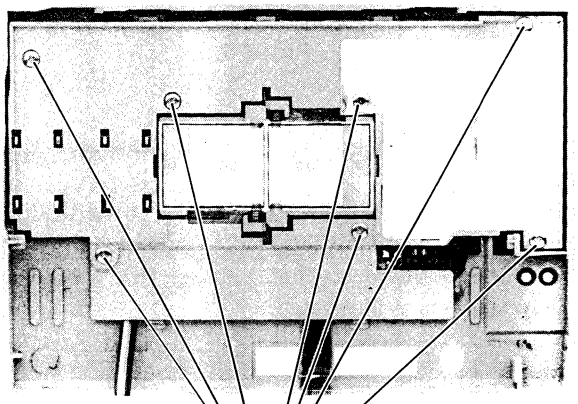


Figure 5

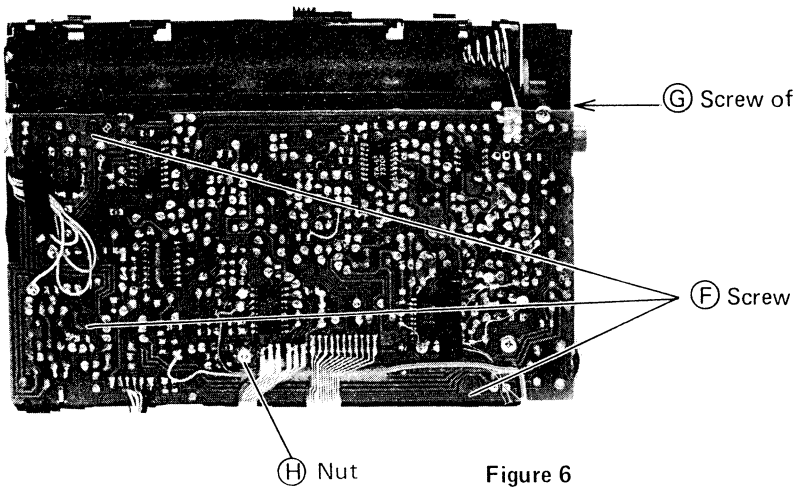


Figure 6

A. CONNECTION OF FLEXIBLE P.C. BOARD WITH SYNTHESIZER P.C. BOARD AND MAIN P.C. BOARD

1. Fold Ⓐ and Ⓑ sections of the Flexible P.C. Board at 1mm from the edge with the pattern side facing outside.
   Take care not to fold the flexible P.C. Board diagonally.

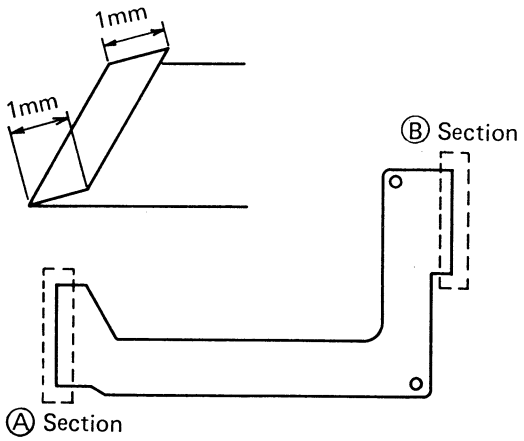


Figure 7

2. Cautions on soldering synthesizer and Flexible P.C. Boards
   Insert the flexible P.C. Board folded in the step ① above onto bosses B1 and B2 on the front cabinet to determine position of the P.C. Board.
   Next, insert the synthesizer P.C. Board onto the bosses A1 and A2.
   Next, termporarily secure the flexible and synthesizer P.C. Board using adhesive tape, etc.
   Take out the boards from the cabinet so that their positions are not deviated and then solder the boards. Remove the adhesive tape and mount the original cabinet.

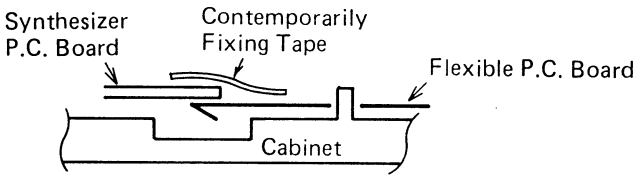
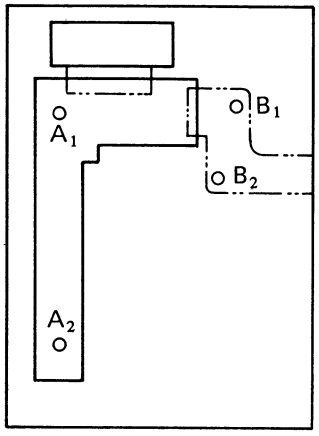


Figure 8



Connection Section Cutaway View

Figure 9

3. Connection of Main P.C. Board and Flexible P.C. Board
   When soldering the main P.C. Board and the flexible P.C. Board, maintain the specified soldering position on the P.C. Board so that assuring free margin at curved corners as illustrated.

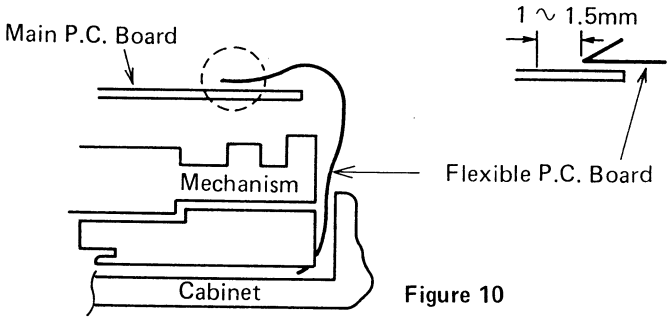


Figure 10

B. REMEDY FOR AM BEAT IF CAUSED

When AM beat is caused after the unit has been assembled, adjust OSC frequency so that the AM beat disappears by turning the □ 7 coil.

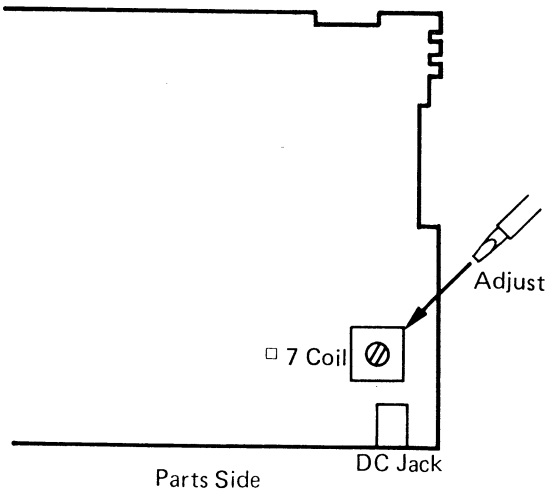


Figure 11

3. BLOCK DIAGRAM

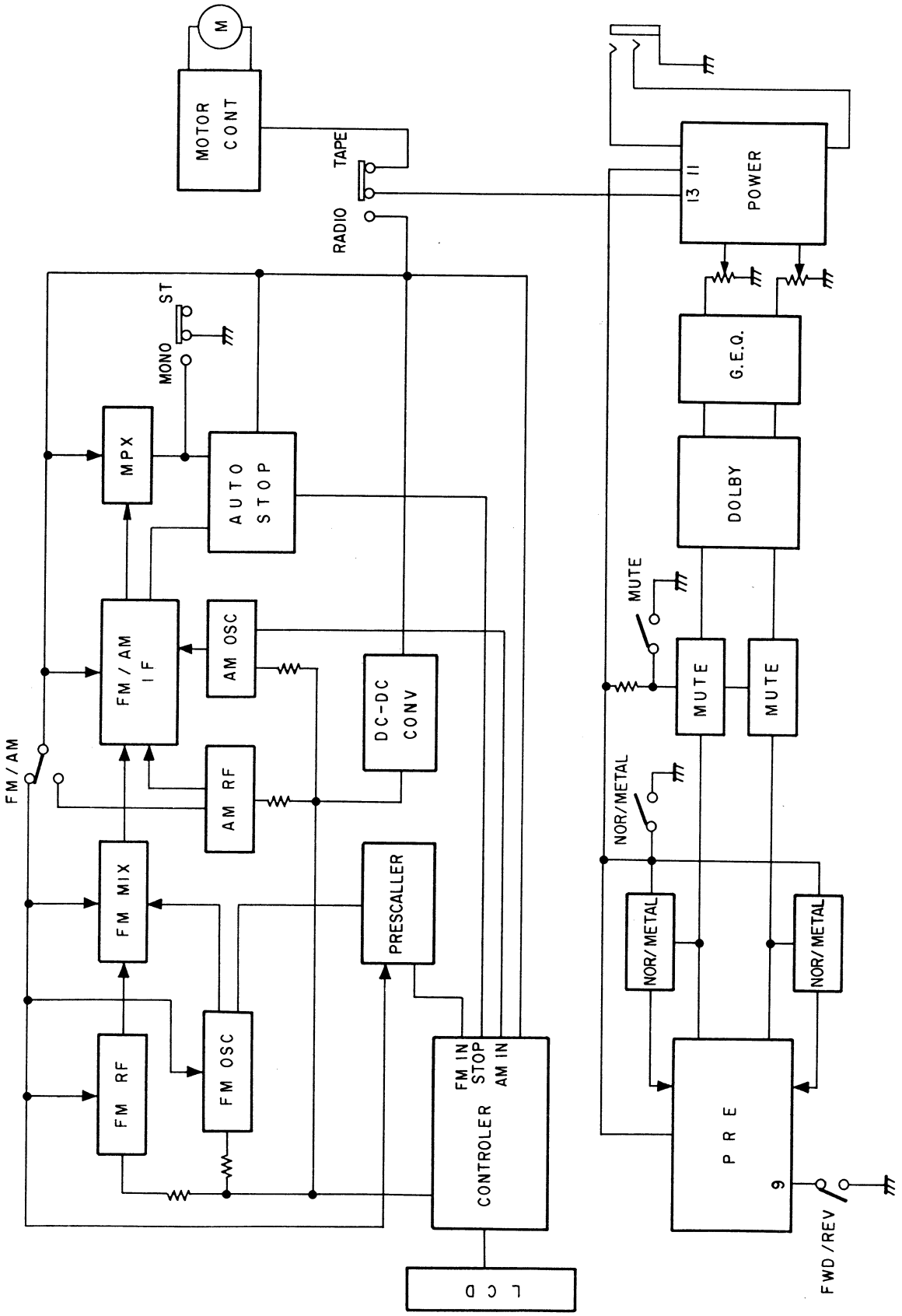


Figure 12

4. ADJUSTMENTS

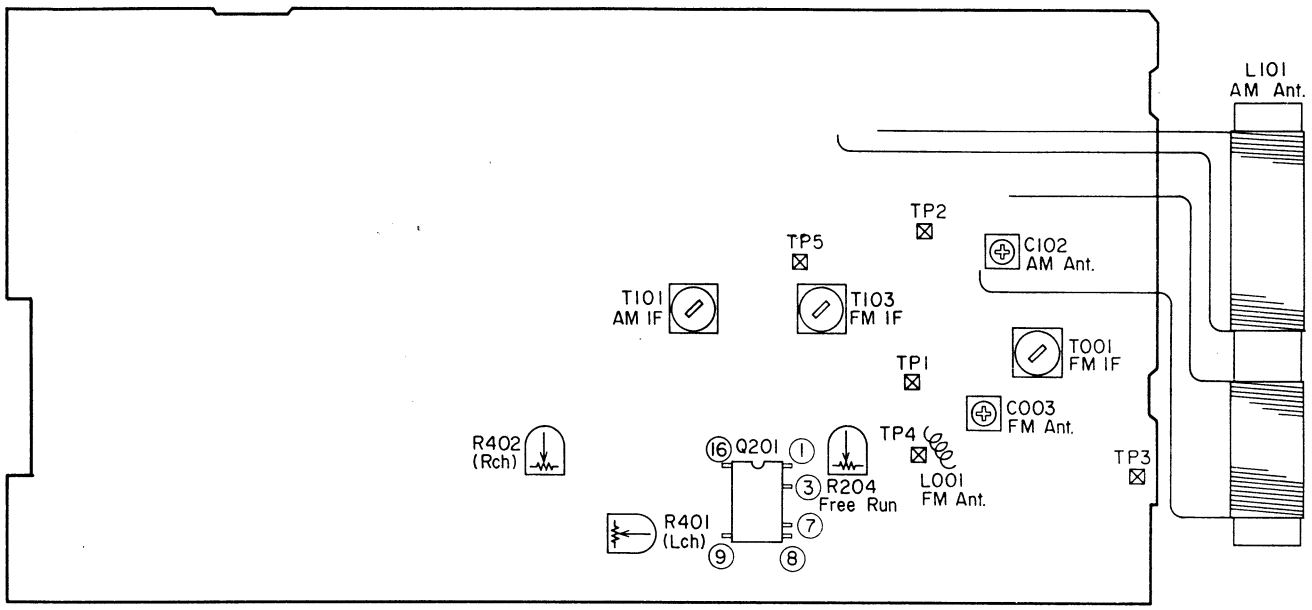


Figure 13

AM ALIGNMENT

1. Turn on the AM signal generator, sweep generator and the VTVM allowing a fifteen-minute warm-up period.
2. First, do the AM-IF Alignment (AM ALIGNMENT CHART), refering to Figure 14.
3. Using the test loop across the output of the signal generator, inductively connect the signal generator to the radio. (Figure 15)
4. Connect the VTVM across the Headphone Jack.
5. Set signal generator frequency as listed in ALIGNMENT CHART and maintain a sufficient output level to provide an indication on VTVM.
6. Set volume control at mid-position.

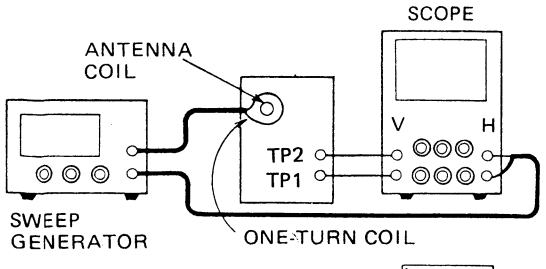
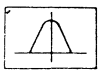


Figure 14



AM 450 kHz

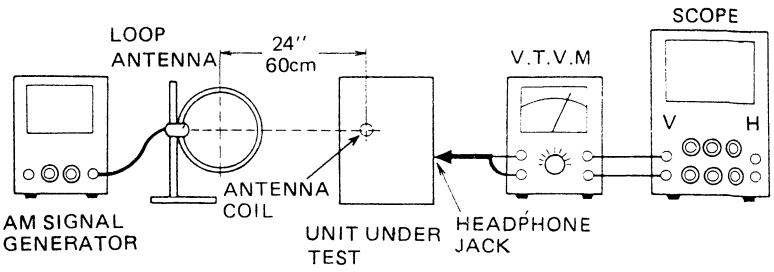


Figure 15

AM ALIGNMENT CHART ( ): KT-4056

Band	Step	Generator Frequency	Frequency Setting	Adjustment	Remarks
AM-IF	1	450 kHz	Lowest Frequency	T101	Adjust coil T101 until best signal peak is obtained.
AM	2	600 kHz (603 kHz)	Tune to Signal.	Ant. Coil L101	Adjust for maximum indication.
	3	1400 kHz (1404 kHz)	Tune to Signal.	Ant. Trim. C102	Adjust for maximum indication.
	4	Repeat steps 2 and 3 as required.			

FM-IF ALIGNMENT

1. Set the select switch to FM position.
2. Turn on both sweep generator and oscilloscope, and allow a fifteen-minute warm-up period.
3. Connect the RF SWEEP SIGNAL OUTPUT of the sweep generator to the test point TP3 and TP4. (Figure 16)
4. Connect the oscilloscope vertical input directly to the test point TP5 and connect the shielded lead to the test point TP1.
5. Connect the SWEEP VOLTAGE OUTPUT of the sweep generator to the oscilloscope Horizontal input.
6. Proceed as outlined in the FM-IF ALIGNMENT CHART.

FM-IF ALIGNMENT CHART

Step	Equip.	Frequency Setting	Connection	Adjust. point	Pattern
1	Sweep generator of 10.7 MHz center freq. with 10.7 MHz marker.	Lowest Frequency	Set scope for connecting output signal from TP5 to vertical axis of scope "V" and sweep generator output to horizontal axis "H".	T001 T103	Turn the coil T103 fully counter-clockwise to obtain a single peak. Adjust coil T001 in order until the best single peak is obtained. Figure 17. Finally turn the coil T103 to obtain S curve. See Figure 18.

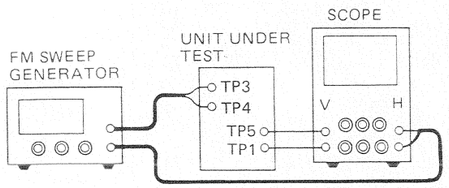


Figure 16

Figure 17

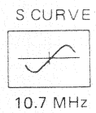


Figure 18

FM-RF ALIGNMENT

1. Turn on the signal generator and the VTVM, and allow a fifteen-minute warm-up period.
2. Connect the signal generator output through a 75 ohm dummy antenna across FM antenna. (Figure 19)
3. Connect the VTVM across the Headphone Jack.
4. Set the volume control to mid-position.
5. Adjust the signal generator frequency as indicated in FM-RF ALIGNMENT CHART, and maintain a sufficient signal output level to provide a measurable indication.
6. Proceed as outlined in the FM-RF ALIGNMENT CHART.

FM-RF ALIGNMENT CHART

Step	Signal Generator	Radio Dial Setting	Adjustment	Remarks
1	90.1 MHz	Tune to signal.	Ant. Coil L001	Adjust for maximum output indication.
2	106.1 MHz		Ant. Trim. C003	
3	Repeat steps 1 and 2 as required.			

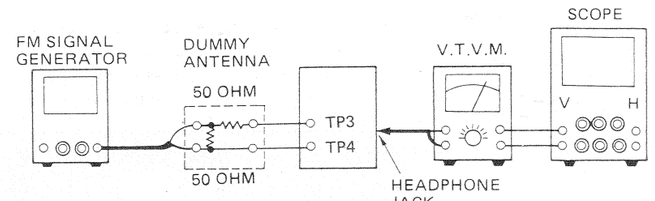


Figure 19

FREE RUN FREQUENCY ALIGNMENT

Adjust R204 under no signal condition so as to obtain 38 kHz ±150 Hz.

Note: Short-circuit Q202 emitter and collecter.

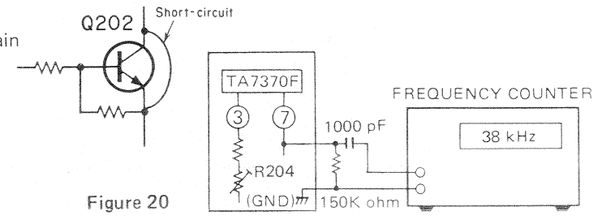


Figure 20

DOLBY LEVEL ADJUSTMENT (4066 Only)

1. **Preliminary Work**
   1) Place function switch in "NORMAL" position.
   2) Place Dolby switch in "IN" position.
   3) Load MTT-150 (ATT-150) 400 Hz test tape.
   4) Connect a lead (terminated with alligator clip) of VTVM to Dolby output terminal and another lead to chassis ground.

2. **Level Adjustment**
   1) Playback the test tape.
   2) Adjust trimming pot semi-fixed resistor R401 (L ch), R402 (R ch) until output reading of 100mV ±8mV is obtained on the VTVM, using alignment driver. (Proceed this alignment for both left and right channels.)

Note: When connecting alligator clip to the output terminal, clip it to C503 (or 13 pin of Q501), C502 (or 4 pin or Q501).

PLAYBACK HEAD ADJUSTMENT

A 10 kHz standard tape must be used for this adjustment. Connect a VTVM or an oscilloscope to the Headphone jack and adjust the azimuth by using a phillips screwdriver to maintain the maximum output voltage. (Figure 21)

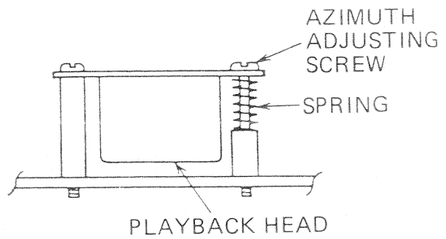


Figure 21

MOTOR SPEED ADJUSTMENT

1. Connect a VTVM or a Frequency counter to the headphone jack.
2. Insert cassette test tape (MTT-111 3 kHz).
3. Playback the test tape.
4. Adjust R903 for 3000 Hz ±30 Hz reading on the frequency counter.

5. ELECTRICAL PARTS LOCATIONS

Q001

	FM STEREO	FM MONO
1	655.9mV	658.5mV
2	1.39V	1.39V
3	2.70V	2.70V
4	1.35V	1.36V
5	0 V	0 V
6	2.70V	2.70V
7	2.62V	2.62V
8	2.70V	2.70V

Q101

	FM STEREO	FM MONO	AM
1	1.19V	1.19V	1.17V
2	85.0mV	1.19V	1.17V
3	1.59V	1.59V	1.62V
4	1.59V	1.59V	1.62V
5	340.5mV	340.6mV	398.6mV
6	382.9mV	383.2mV	428.6mV
7	1.04V	1.04V	1.04V
8	0 V	0 V	0 V
9	1.18V	1.18V	1.22V
10	2.86V	2.86V	2.90V
11	2.86V	2.86V	2.90V
12	2.85V	2.85V	2.89V
13	1.19V	1.19V	1.16V
14	2.86V	2.86V	2.89V
15	2.89V	2.84V	10.5mV
16	1.19V	1.19V	1.17V

Q201

	1	2	3	4	5	6	7	8
FM STEREO	2.86V	——	2.70V	——	0 V	2.86V	2.28V	2.39V
FM MONO	2.86V	——	2.85V	——	0 V	2.86V	950.3mV	2.87V
A M	2.90V	——	2.87V	——	0 V	2.90V	2.92V	2.87V
	9	10	11	12	13	14	15	16
FM STEREO	939.4mV	——	930.2mV	2.84V	——	216.3mV	——	2.38V
FM MONO	940.2mV	——	930.8mV	945.4mV	——	216.5mV	——	2.45V
A M	940.4mV	——	931.1mV	2.84V	——	215.7mV	——	2.34V

Q301

	1	2	3	4	5	6	7	8
PLAY	1.31V	1.31V	——	1.31V	93.2mV	2.65V	1.39V	0 V
	9	10	11	12	13	14	15	16
PLAY	3.00V	1.38V	2.55V	2.10V	2.98V	——	1.33V	1.33V

Q401

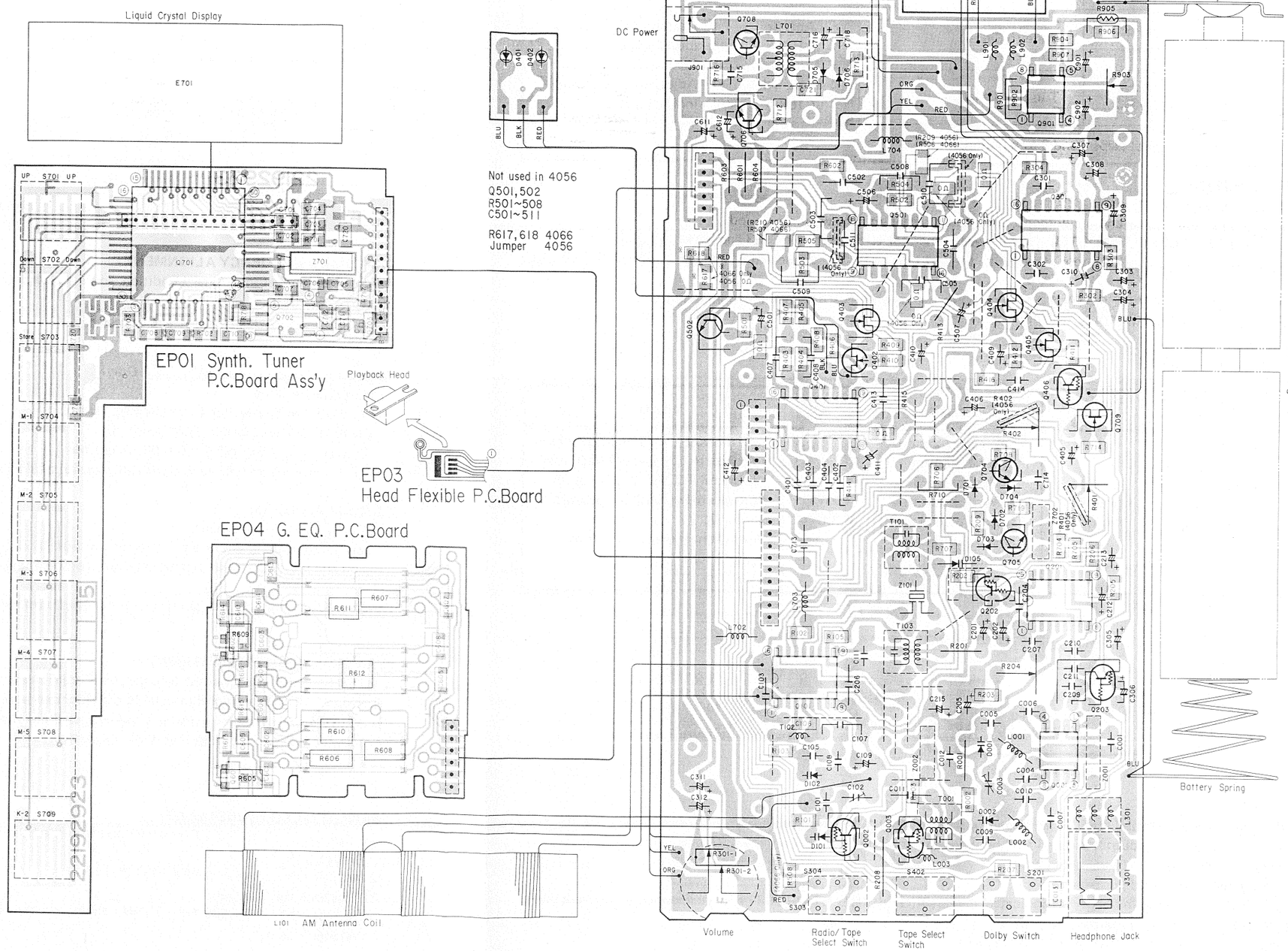
		1	2	3	4	5	6	7	8
NORMAL	FWD	1.18V	1.31V	2.49V	40mV	0 V	1.21V	1.31V	56.4mV
	REV	1.31V	1.15V	2.49V	40mV	0 V	1.31V	1.19V	591.4mV
METAL	FWD	1.24V	1.31V	2.49V	85.6mV	0 V	1.28V	1.31V	196.5mV
	REV	1.31V	1.21V	2.49V	83.6mV	0 V	1.31V	1.25V	591.5mV
		9	10	11	12	13	14	15	16
NORMAL	FWD	392.2mV	98.5mV	1.37V	1.31V	1.40V	1.31V	1.26V	1.30V
	REV	0 V	1.38V	79.0mV	1.30V	1.42V	1.31V	1.30V	1.30V
METAL	FWD	591.7mV	88.6mV	1.37V	1.31V	1.39V	1.31V	1.26V	1.30V
	REV	0 V	1.39V	79.0mV	1.30V	1.43V	1.31V	1.29V	1.30V

Q501 (4066 Only)

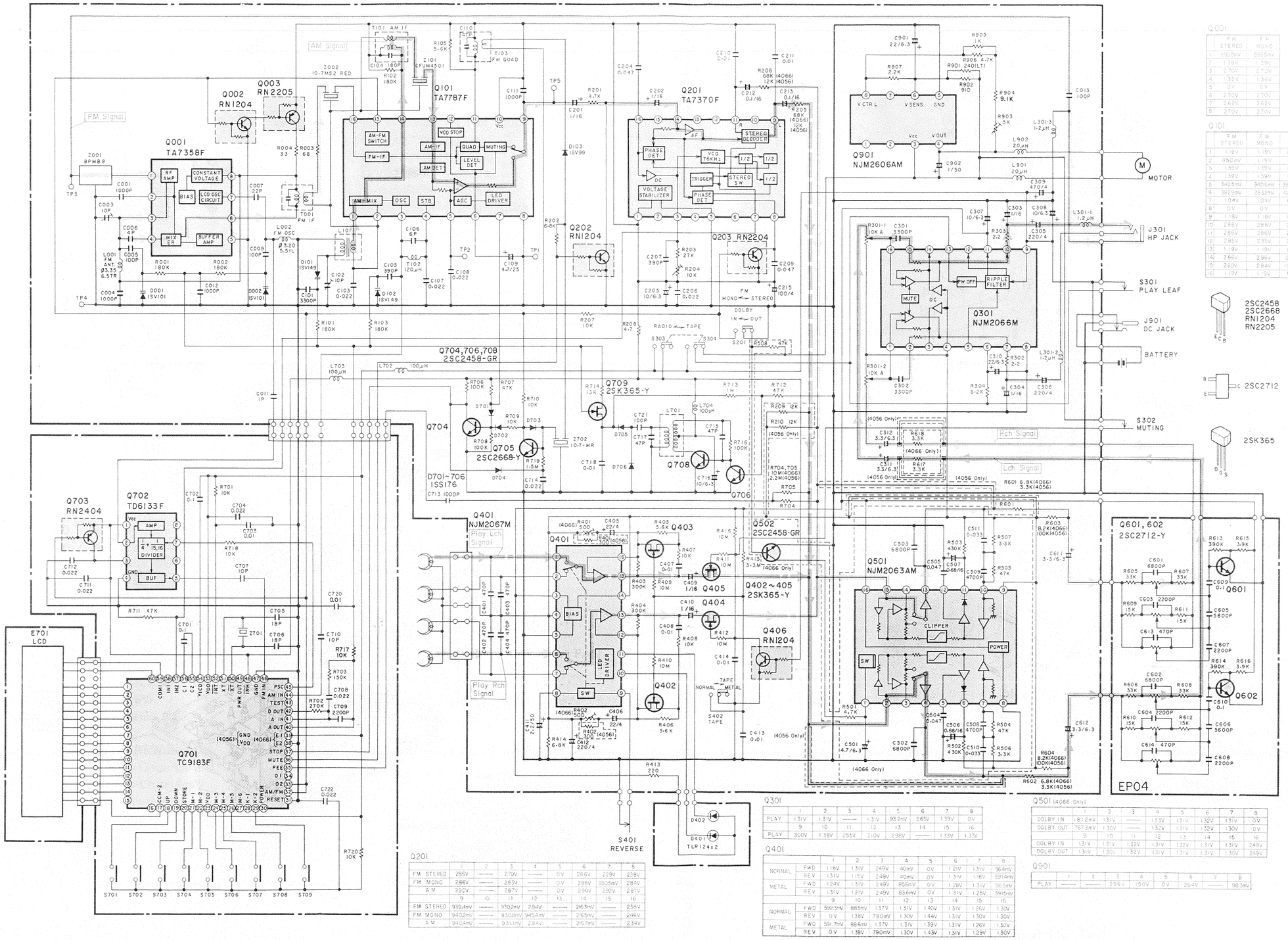
	1	2	3	4	5	6	7	8
DOLBY IN	181.2mV	1.31V	——	1.33V	1.31V	1.32V	1.31V	0 V
DOLBY OUT	767.3mV	1.30V	——	1.32V	1.31V	1.32V	1.30V	0 V
	9	10	11	12	13	14	15	16
DOLBY IN	1.31V	1.31V	1.32V	1.31V	1.33V	1.31V	1.31V	2.49V
DOLBY OUT	1.31V	1.30V	1.32V	1.31V	1.31V	1.31V	1.30V	2.49V

Q901

	1	2	3	4	5	6	7	8
PLAY	——	——	2.96V	1.50V	0 V	2.64V	——	98.3mV



6. SCHEMATIC DIAGRAM



Q001

	FM STEREO	FM MONO
1	655mV	655mV
2	1.35V	1.35V
3	2.70V	2.70V
4	1.35V	1.36V
5	0V	0V
6	2.70V	2.70V
7	2.62V	2.62V
8	2.70V	2.70V

Q101

	FM STEREO	FM MONO	AM
1	1.19V	1.19V	1.17V
2	850mV	1.19V	1.17V
3	1.59V	1.59V	1.62V
4	1.59V	1.59V	1.62V
5	3405mV	3405mV	3986mV
6	3829mV	3832mV	4286mV
7	1.04V	1.04V	1.05V
8	0V	0V	0V
9	1.18V	1.16V	1.22V
10	2.86V	2.86V	2.90V
11	2.86V	2.86V	2.90V
12	2.85V	2.85V	2.89V
13	1.19V	1.19V	1.16V
14	2.86V	2.86V	2.89V
15	2.86V	2.84V	1.05mV
16	1.19V	1.19V	1.17V

2SC2458
2SC2668
RN1204
RN2205

2SC2712

2SK365

Q201

	1	2	3	4	5	6	7	8
FM STEREO	286V	——	270V	——	0V	286V	228V	239V
FM MONO	286V	——	283V	——	0V	286V	3305mV	284V
A M	290V	——	287V	——	0V	290V	292V	287V
	9	10	11	12	13	14	15	16
FM STEREO	939.4mV	——	970.2mV	284V	——	286.3mV	——	238V
FM MONO	940.2mV	——	930.8mV	945.4mV	——	216.5mV	——	246V
A M	940.4mV	——	931.1mV	284V	——	215.7mV	——	234V

Q301

	1	2	3	4	5	6	7	8
PLAY	1.31V	1.31V	——	1.31V	93.2mV	265V	1.39V	0V
	9	10	11	12	13	14	15	16
PLAY	300V	1.38V	256V	210V	298V	——	1.33V	1.33V

Q401

		1	2	3	4	5	6	7	8
NORMAL	FWD	1.18V	1.31V	249V	40mV	0V	1.21V	1.31V	964mV
	REV	1.31V	1.15V	249V	40mV	0V	1.31V	1.18V	991mV
METAL	FWD	1.24V	1.31V	249V	856mV	0V	1.28V	1.31V	965mV
	REV	1.31V	1.21V	249V	836mV	0V	1.31V	1.25V	991mV
		9	10	11	12	13	14	15	16
NORMAL	FWD	592.5mV	885mV	1.37V	1.31V	1.40V	1.31V	1.26V	1.30V
	REV	0V	1.38V	790mV	1.30V	1.44V	1.31V	1.30V	1.30V
METAL	FWD	591.7mV	886mV	1.37V	1.31V	1.39V	1.31V	1.26V	1.30V
	REV	0V	1.39V	790mV	1.30V	1.43V	1.31V	1.29V	1.30V

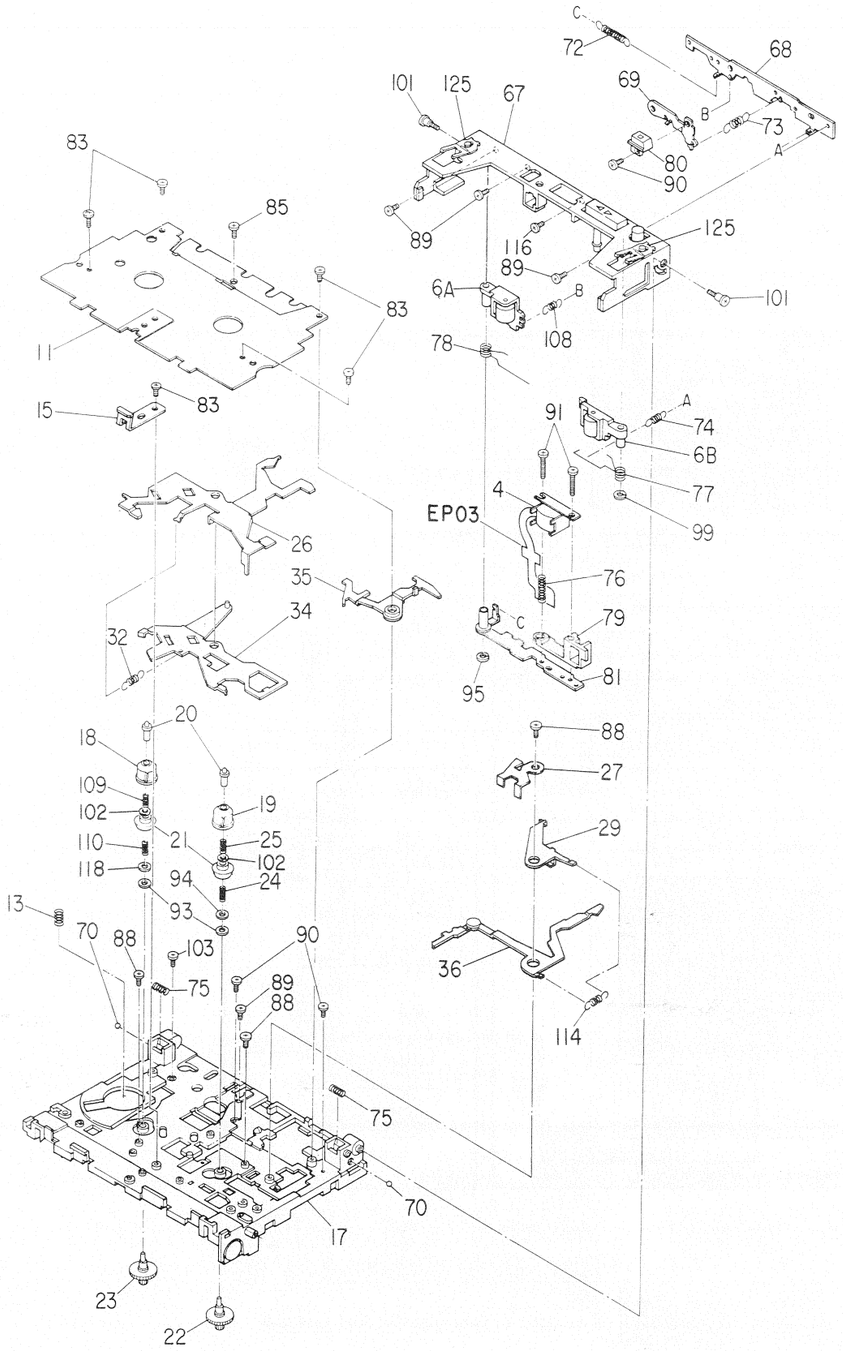
Q501 (4066 Only)

	1	2	3	4	5	6	7	8
DOLBY IN	181.2mV	1.31V	——	1.32V	1.31V	1.32V	1.31V	0V
DOLBY OUT	767.3mV	1.30V	——	1.32V	1.31V	1.32V	1.30V	0V
	9	10	11	12	13	14	15	16
DOLBY IN	1.31V	1.31V	1.32V	1.31V	1.32V	1.31V	1.31V	249V
DOLBY OUT	1.31V	1.30V	1.32V	1.31V	1.31V	1.31V	1.30V	249V

Q901

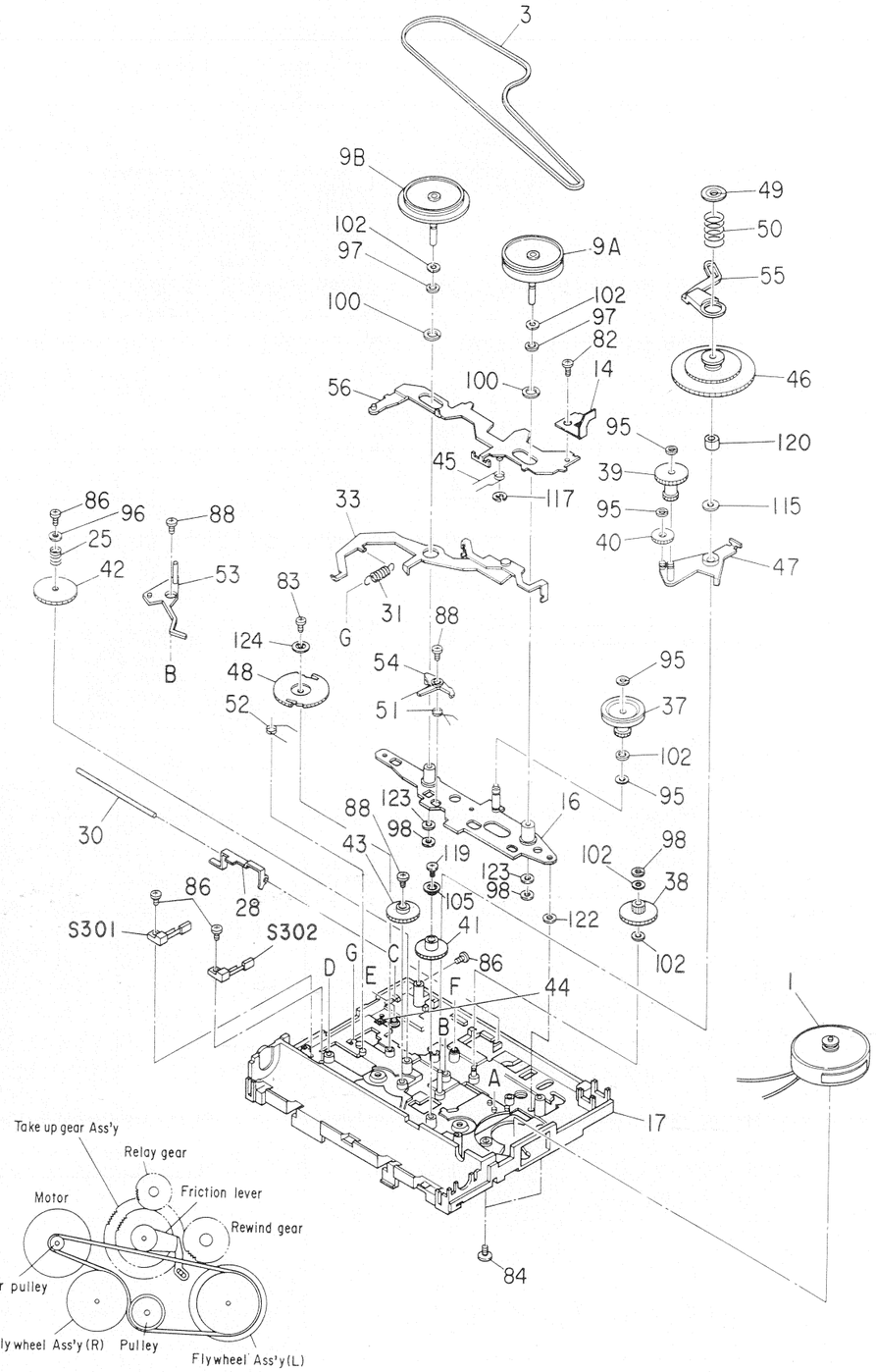
	1	2	3	4	5	6	7	8
PLAY	——	——	2.96V	1.50V	0V	26.4V	——	98.3mV

7. MECHANISM EXPLODED VIEW (UPPER)



NOTE: Parts excluded in the parts list are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

8. MECHANISM EXPLODED VIEW (LOWER)



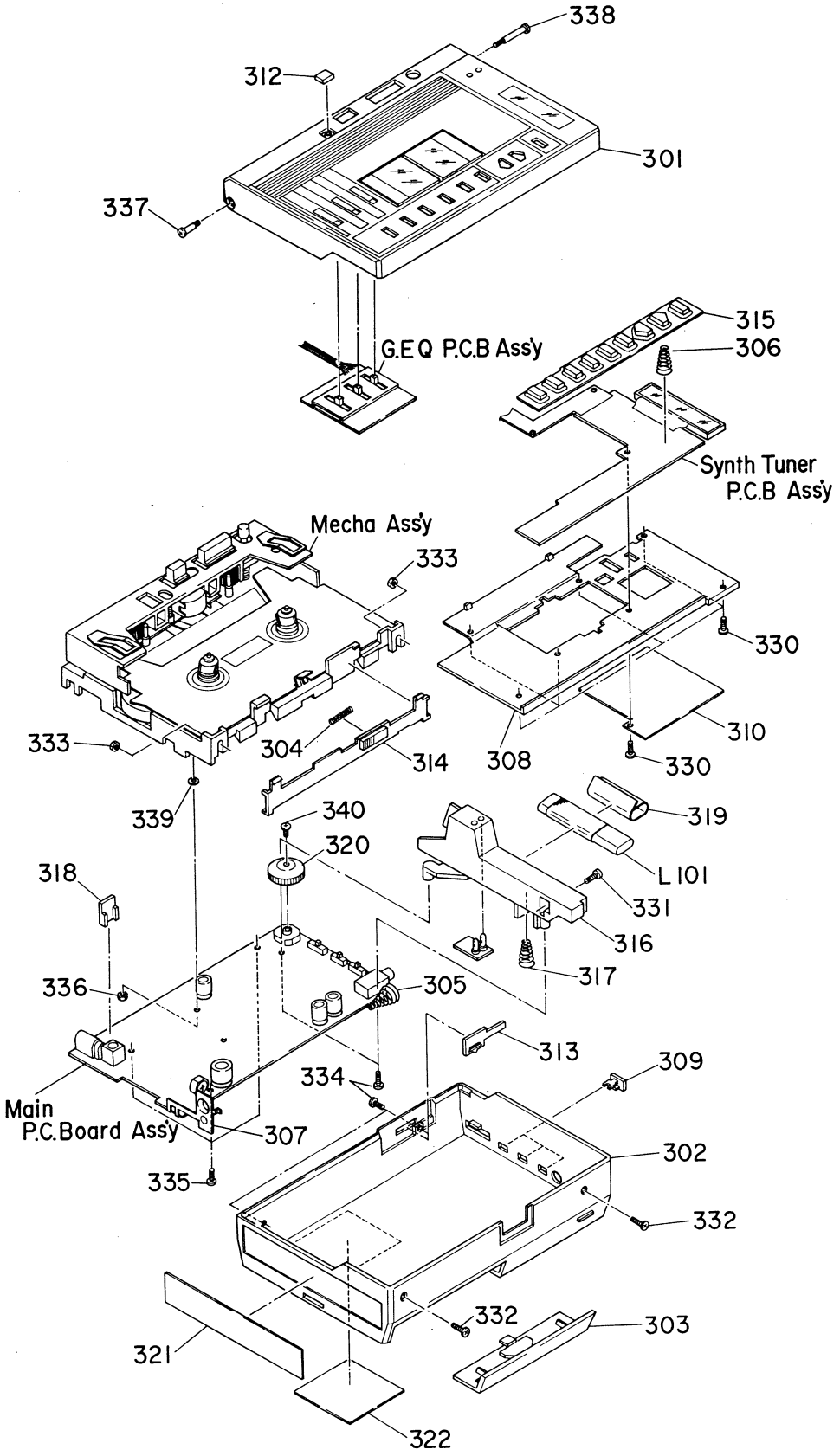
NOTE: Parts excluded in the parts list are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

9. MECHANISM PARTS LIST

Location No.	Part No.	Description
1	22125874	Motor
3	25759096	Belt
4	22217472	Playback Head,HRPT-472
6A	25797053	Pressure Roller Ass'y, R
6B	25797052	Pressure Roller Ass'y, L
9A	25111065	Flywheel Ass'y, R
9B	25111064	Flywheel Ass'y, L
11	25734541	Mecha. Cover
13	25777474	Spring, Earth
14	25779535	Spring, Reverse Switch
15	25779509	Spring, Holder
16	25792230	Sub Chassis Ass'y
17	25792135	Main Chassis Ass'y
18	25754486	Top Reel, R
19	25754487	Top Reel, L
20	25754489	Cap, Reel
21	25754495	Collar, Reel
22	25756438	Gear, Reel, L
23	25756439	Gear, Reel, R
24	25777445	Spring, Reel
25	25777446	Spring, Reel Cap
26	25757252	Lever, Lock
27	25747287	Fast Switch Lever
28	25747288	Lever, Play
29	25747226	Lever, Manual Lock
30	25775279	Pin, Play Lever
31	25776720	Spring
32	25776940	Spring
33	25792046	Switch Lever Ass'y
34	25792045	Cue Lever Ass'y
35	25791986	Manual Lever Ass'y
36	25792044	Limit Lever Ass'y
37	25111054	Guide Pulley Kit
38	25756495	Gear, Relay
39	25756440	Gear, Play, A
40	25756441	Gear, Play, B
41	25756443	Gear, Relay, R
42	25756510	Gear, REW
43	25756455	Gear, Relay, L
44	25853027	Sheet
45	25778228	Spring, REW Lever
46	25791828	Take-up Gear Ass'y
47	25791842	Take-up Lever Ass'y
48	25756445	Gear, Reverse
49	25766179	Spring, Frict RTN
50	25777360	Spring, Frict
51	25778224	Spring
52	25778528	Spring, Reverse Gear
53	25784227	Lever, ASO
54	25784228	Lever, Gear Lock
55	25784230	Lever, Friction

Location No.	Part No.	Description
56	25791848	Reverse Slider Ass'y
67	25792136	Cassette Holder Ass'y
68	25734524	Cassette Holder Plate
69	25747293	Lever, Stop
70	25757129	Steel Ball
72	25776939	Spring
73	25776835	Spring
74	25776836	Spring
75	25777403	Spring, Click
76	25777333	Spring, Azimuth
77	25778299	Spring, Pressure, L
78	25778297	Spring, Pressure, R
79	25783394	Erase Head Base
80	25784454	Button, Stop
81	25792083	Head Lever Ass'y
82	22707830	Screw, ϕ1.7 x 1.6mm, PAN
83	22708440	Screw, ϕ1.7 x 3.5mm, FLT
84	22707882	Screw, ϕ1.7 x 3.5mm, PAN
85	22708250	Screw, ϕ1.7 x 3.5mm, FLT
86	22708375	Screw, ϕ1.7 x 4mm, PAN
88	22708367	Screw, ϕ1.7 x 3.5mm, PAN
89	22707615	Screw, ϕ1.7 x 3mm, PAN
90	22707862	Screw, ϕ1.7 x 2mm, PAN
91	22708366	Screw, ϕ2 x 12mm, PAN
93	25764510	Washer, ϕ2.5
94	25766265	Washer, ϕ1.5
95	25766050	Washer, ϕ4
96	25766250	Washer, ϕ1.7
97	25766226	Washer, ϕ2.1
98	25766383	Washer, ϕ1.5
99	25766229	Washer, ϕ1.5
100	25766228	Washer, ϕ4.2
101	22708267	Screw, Special, ϕ1.7
102	25766099	Washer, ϕ2.1
103	22707670	Screw, ϕ1.7 x 4mm, PAN
105	25724996	Boss, Relay Gear
108	25776850	Spring
109	25777471	Spring, Reel Cap, R
110	25777472	Spring, Reel, R
114	25776873	Spring
115	25766258	Washer, ϕ1.5
116	22708310	Screw, ϕ1.7 x 3.5mm, PAN
117	22708567	E Ring, ϕ1.5
118	25766272	Washer, ϕ1.5
119	22707879	Screw, ϕ1.7 x 4.5mm, FLT
120	25726784	Collar, Take-up Gear
122	25735238	Washer, ϕ2
123	25766299	Washer, ϕ2.1
124	25724991	Boss, REV, Gear
125	25779575	Spring, Cassette Holder

10. CABINET EXPLODED VIEW



NOTE: Parts excluded in the parts list are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

11. CABINET PARTS LIST

Location No.	Part No.	Description
301	25885598	Front Cabinet Ass'y (4066) (U.S.A./Canada)
301	25889314	Front Cabinet Ass'y (4066) (Europe)
301	25885767	Front Cabinet Ass'y (4056)
302	25885875	Back Cabinet Ass'y (4066)
302	25885876	Back Cabinet Ass'y (4056)
303	25884898	Battery Cover (4066)
303	25887021	Battery Cover (4056)
304	25777149	Spring, Lock
305	25777475	Spring, Battery
306	25777572	Spring, Ground
307	25779537	Battery Contact
308	25809498	Blind Plate
309	25837983	Knob, Switch Slide
310	25853067	Shield Sheet, IC
312	25872393	Cover, A (4066)
312	25872428	Cover, A (4056)
313	25886511	Knob, Reverse
314	25886607	Button, Lock
315	25886851	Rubber, Switch
316	22714487	Frame
317	25777578	Spring, Antenna
319	25853068	Shield Sheet
320	25886852	Knob, Volume
321	22900663	Name Label (4066) (U.S.A./Canada)
321	22900844	Name Label (4066) (Europe)
321	22900665	Name Label (4056)
322	22900714	Caution Sheet
330	22707555	Screw, ϕ1.7 x 3.5mm
331	22707675	Screw, ϕ1.7 x 7mm, PAN Tapping
332	22707819	Screw, ϕ1.7 x 4.5mm, BID
333	22707827	Nut
334	22708224	Screw, ϕ1.7 x 6mm, PAN Tapping
335	22708325	Screw, ϕ1.7 x 6mm, PAN Tapping
336	22708401	Nut
337	22708651	Special Screw, ϕ1.7, S (4066)
337	22708414	Special Screw, ϕ1.7, S (4056)
338	22708652	Special Screw, ϕ1.7, L (4066)
338	22708415	Special Screw, ϕ1.7, L (4056)
339	25735284	Washer
340	22707676	Screw, ϕ1.4 x 3.5mm, PAN

Location No.	Part No.	Description

12. PARTS LIST

Location No.	Part No.	Description
TRANSISTORS, IC'S & DIODES		
Q001	B0325505	IC, TA7358F
Q002	A6002040	Transistor, RN1204
Q003	A6012050	Transistor, RN2205
Q101	B0358385	IC, TA7787F
Q201	B0325625	IC, TA7370F
Q202	A6002040	Transistor, RN1204
Q203	A6012040	Transistor, RN2204
Q301	22117711	IC, NJM2066M
Q401	22117721	IC, NJM2067M
Q402, 403, 404, 405	A6058710	Transistor, 2SK365-Y
Q406	A6002040	Transistor, RN1204
Q501	22117797	IC, NJM2063AM (4066)
Q502	A6332440	Transistor, 2SC2458-GR (4066)
Q701	B0411835	IC, TC9183F
Q702	B0271030	IC, TD6133F
Q703	A6014040	Transistor, RN2404
Q704	A6332440	Transistor, 2SC2458-GR
Q705	A6332540	Transistor, 2SC2668-Y
Q706	A6332440	Transistor, 2SC2458-GR
Q708	A6332440	Transistor, 2SC2458-GR
Q709	A6058710	Transistor, 2SK365-Y
Q901	22117812	IC, NJM2606AM
D001, 002	A7288690	Diode, 1SV101
D101, 102	22119207	Diode, 1SV149 (PAIR)
D103	A7288680	Diode, 1SV99
D401, 402	A8601150	Diode, TLR124
D701, 702, 703, 704, 705, 706	A7160570	Diode, 1SS176

Location No.	Part No.	Description
COILS & TRANSFORMERS		
L001	22294682	Coil, FM RF
L002	22294655	Coil, FM OSC
L101	22243088	Coil, AM Antenna
L301-1 ∿ 3	22211355	Coil, Choke, 1.2μH
L701	22292221	Coil
L702, 703, 704	22291312	Coil, Choke, 100μH
L901, 902	22211327	Coil, Choke, 20μH
T001	22265911	IF Tansformer, FM
T101	22267459	IF Transformer, AM
T102	22291436	Coil, AM OSC, 120μH
T103	22264934	IF Transformer, FM DET
ELECTRICAL PARTS		
S201	22196795	Switch, Slide, Dolby
S301	22196222	Switch, Leaf, Play
S302	22196222	Switch, Leaf, Muting
S303, 304	22196455	Switch, Slide, Radio/Tape Select
S401(318)	25779543	Reverse Contact
S402	22196795	Switch, Slide, Tape Select
J301	22198185	Jack, Headphone
J901	22198163	Jack, DC Power
Z001	22153266	Filter, Band Pass, BPMB8
Z002	22153150	Filter, Ceramic, SFA10.7
Z101	22153407	Filter, Ceramic, CFUM450I
Z701	22153386	Crystal Oscillator, 75 kHz
Z702	22153160	Filter, Ceramic, 10.7M5-MR
E701	22104638	Liquid Crystal Display
EP01	22130832	Synth. Tuner P.C. Board Ass'y
EP02	22192932	Flexible P.C. Board, Synth
EP03	22192664	Flexible P.C. Board, Head
EP04	22657403	G. EQ P.C. Board

Location No.	Part No.	Description
CAPACITORS		
D = ±0.5pF, J = ±5%, K = ±10%, M = ±20%, Z = −20+80%		
ABBREVIATIONS: CD = Ceramic Disk, EL = Electrolytic, BL = Barrier Layer, TT = Tantalum		
C001	20343102	CD, 1000pF, 50V, K
C003	22309242	Trimmer, 10pF
C004	20343102	CD, 1000pF, 50V, K
C005	20311101	CD, 100pF, 50V, J
C006	20311409	CD, 4pF, 50V, D
C007	20311220	CD, 22pF, 50V, J
C009	20311101	CD, 100pF, 50V, J
C011	20321109	CD, 1pF, 50V, M
C012	20343102	CD, 1000pF, 50V, K
C013	20331101	Chip, 100pF, 50V, J
C101	22360724	BL, 3300pF, 25V, M
C102	22309242	Trimmer, 10pF
C103	20351223	BL, 0.022mfd, 25V, Z
C105	22360991	CD, 390pF, 50V, J
C106	20331609	Chip, 6pF, 50V, D
C107	22360633	BL, 0.022mfd, 25V, K
C108	22349715	BL, 0.022mfd, 16V, M
C109	22440545	EL, 4.7mfd, 25V, M
C111	20343102	CD, 1000pF, 50V, K
C201, 202	20465109	TT, 1mfd, 16V, M
C204	22360717	BL, 0.047mfd, 16V, M
C205	20473100	TT, 10mfd, 6.3V, M
C206	20351223	BL, 0.022mfd, 25V, Z
C207	22360991	CD, 390pF, 50V, J
C209	22360881	BL, 0.047mfd, 16V, Z
C210, 211	22360713	BL, 0.01mfd, 16V, M
C212, 213	20465108	TT, 0.1mfd, 16V, M
C215	20432101	EL, 100mfd, 4V
C301, 302	22360724	BL, 3300pF, 25V, M
C303, 304	20465109	TT, 1mfd, 16V, M
C305, 306	20422221	EL, 220mfd, 4V
C307	20473100	TT, 10mfd, 6.3V, M
C308	20473100	TT, 10mfd, 6.3V, M
C309	22440528	EL, 470mfd, 4V, M
C310	20432220	EL, 22mfd, 6.3V, M
C311, 312	20463339	TT, 3.3mfd, 6.3V, M
C401, 402, C403, 404	20353471	CD, 470pF, 50V, K
C405, 406	22440650	EL, 22mfd, 6.3V
C407, 408	20328103	BL, 0.01mfd, 16V, M
C409, 410	20465109	TT, 1mfd, 16V, M
C411	20439229	EL, 2.2mfd, 50V
C412	20422221	EL, 220mfd, 4V
C413	20328103	BL, 0.01mfd, 16V, M

Location No.	Part No.	Description
C414	22360713	BL, 0.01mfd, 16V, M
C501	22490078	TT, 4.7mfd, 6.3V, M (4066)
C502, 503	22360868	BL, 6800pF, 16V, M (4066)
C504, 505	22360717	BL, 0.047mfd, 16V, M (4066)
C506, 507	22490179	TT, 0.68mfd, 16V, M (4066)
C508, 509	22360866	BL, 4700pF, 16V, M (4066)
C510, 511	22360716	BL, 0.033mfd, 16V, M (4066)
C611, 612	20463339	TT, 3.3mfd, 6.3V, M
C701, 702	20364104	Chip, 0.1mfd, 25V, Z
C703	20361103	Chip, 0.01mfd, 50V, Z
C704	20364223	Chip, 0.022mfd, 25V, Z
C705, 706	20331180	Chip, 18pF, 50V, J
C707	20331100	Chip, 10pF, 50V, D
C708	20364223	Chip, 0.022mfd, 25V, Z
C709	20361222	Chip, 2200pF, 50V, Z
C710	20331100	Chip, 10pF, 50V, D
C711, 712	20364223	Chip, 0.022mfd, 25V, Z
C713	20353102	CD, 1000pF, 50V, K
C714	22360715	BL, 0.022mfd, 16V, M
C715	20311470	CD, 47pF, 50V, J
C716	20473100	TT, 10mfd, 6.3V, M
C718	22360881	BL, 0.047mfd, 16V, Z
C720	20363103	Chip, 0.01mfd, 25V, K
C721	20331101	Chip, 100pF, 50V, J
C722	20364223	Chip, 0.022mfd, 25V, Z
C901	20423220	EL, 22mfd, 6.3V
C902	20428109	EL, 1mfd, 50V
RESISTORS		
All resistors are Metal Chip 1/10W, ±5% unless otherwise noted. 1K ohm = 1000 ohm, 1M ohm = 1000K ohm		
R001	20512184	180K ohm, 1/6W
R002	20541184	180K ohm, Chip
R003	20541680	68 ohm, Chip
R101, 102, R103	20541184	180K ohm, Chip
R105	20541562	5.6K ohm, Chip
R201	20512472	4.7K ohm, 1/6W
R202	20541682	6.8K ohm, Chip
R203	20541273	27K ohm, Chip
R204	22658761	10K ohm, Semi-fixed, Variable
R205, 206	20541683	68K ohm, Chip (4066)
R205, 206	20541123	12K ohm, Chip (4056)

Location No.	Part No.	Description
R207	20541103	10K ohm, Chip
R208	20512479	4.7 ohm, 1/6W
R209, 210	20541123	12K ohm, Chip (4056)
R301	22611415	10K ohm, B, Variable, Volume
R302, 303	20541229	2.2 ohm, Chip
R304	20541822	8.2K ohm, Chip
R401, 402	22658756	500 ohm, Semi-fixed Variable (4066)
R401, 402	22584301	300 ohm, 1/6W (4056)
R403, 404	20541304	300K ohm, Chip
R405, 406	20541562	5.6K ohm, Chip
R407, 408	20541103	10K ohm, Chip
R409, 410, R411, 412	20541106	10M ohm, Chip
R413	20512221	220 ohm, 1/6W
R414	20541682	6.8K ohm, Chip
R415	20512335	3.3M ohm, 1/6W
R416	20541106	10M ohm, Chip
R501	20541472	4.7K ohm, Chip (4066)
R502, 503	20541434	430K ohm, Chip (4066)
R504, 505	20541473	47K ohm, Chip (4066)
R506, 507	20541332	3.3K ohm, Chip (4066)
R508	20541473	47K ohm, Chip (4066)
R601	20512682	6.8K ohm, 1/6W (4066)
R601	20512332	3.3K ohm, 1/6W (4056)
R602	20541682	6.8K ohm, Chip (4066)
R602	20541332	3.3K ohm, Chip (4056)
R603, 604	20512822	8.2K ohm, 1/6W (4066)
R603, 604	20512104	100K ohm, 1/6W (4056)
R617, 618	20541332	3.3K ohm, Chip (4066) Short-circuit R617, 618 for 4056.
R701	20541103	10K ohm, Chip
R702	20541274	270K ohm, Chip
R703	20541154	150K ohm, Chip
R704, 705	20541106	10M ohm, Chip (4066)
R704, 705	20541225	2.2M ohm, Chip (4056)

Location No.	Part No.	Description
R706	20541224	220K ohm, Chip
R707	20541473	47K ohm, Chip
R708	20541104	100K ohm, Chip
R709, 710	20541103	10K ohm, Chip
R711, 712	20541473	47K ohm, Chip
R713	20541105	1M ohm, Chip
R714	20541133	13K ohm, Chip
R716	20541104	100K ohm, Chip
R717, 718	20541103	10K ohm, Chip
R719	20541155	1.5M ohm, Chip
R720	20541103	10K ohm, Chip
R901	22500461	240 ohm, Linear
R902	20541911	910 ohm, Chip
R903	22658739	5K ohm, B, Semi-fixed, Variable
R904	20541912	9.1K ohm, Chip
R905	22119189	1K ohm, Thermistor
R906	20541472	4.7K ohm, Chip
R907	20541222	2.2K ohm, Chip

ACCESSORIES

AC01	22908071	Owner's Manual (U.S.A.)
AC01	22908072	Owner's Manual (Canada)
AC01	22908073	Owner's Manual, KT-4056 (Europe/Others)
AC01	22908074	Owner's Manual (Australia)
AC02	22152707	Headphone, HR-M31-A (U.S.A./Canada/Europe/Australia)
AC02	22152731	Earphone, HR-P2-BK (Others)
AC03	25875004	Unit Holder
AC04	22957628	Caution Sheet (U.S.A.)
AC05	22810128	Ear Pat Set (U.S.A./Canada/Europe/Australia)
AC05	22810161	Ear Pat Set (Others)

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